

A powerful partnership between UTSA, the Department of Energy and leading industry experts to combat escalating cyber threats targeting Texas' manufacturers

FUNDING REQUEST | \$3,250,000 per year; \$6,500,000 per biennium

OVERVIEW

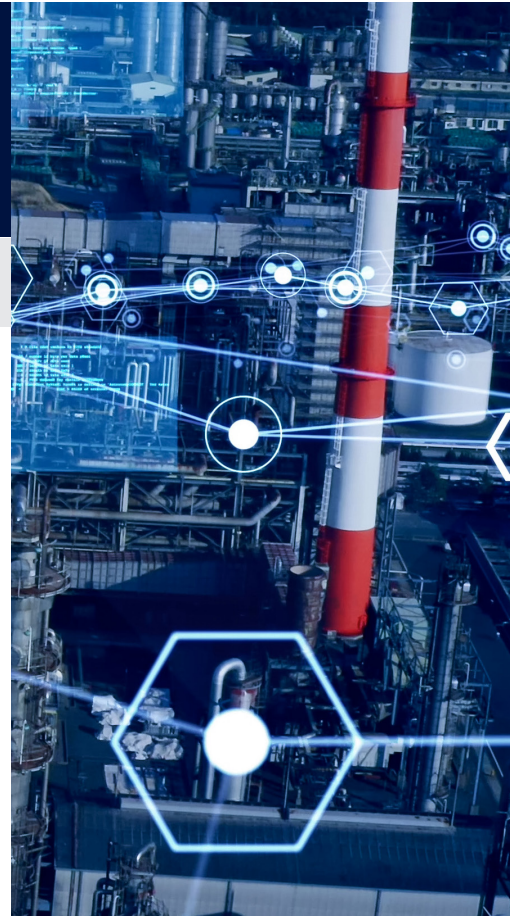
UTSA, in partnership with the Department of Energy-funded Cybersecurity Manufacturing Innovation Institute (CyManII) and the recently established National Security Collaboration Center (NSCC), will become the state's and nation's epicenter for research, innovation and workforce development for resilient supply chains. UTSA can leverage the \$111M federal investment in CyManII, as well as the NSCC's direct pipeline to the Defense Industrial Base Sector, to create specific programing and training for Texas small and medium advanced manufactures. This will provide Texas businesses the tools to meet new federal requirements and lead to resilient and secure supply chains.

THE CHALLENGE

The U.S. faces vulnerabilities in supply chains that must be addressed to ensure our economic security in the face of threats such as pandemics, disasters, war, cyberattacks and the rise of more technologically advanced adversaries. Strengthening and securing supply chains is a top priority for our nation, and UTSA is poised to lead Texas businesses to pivot toward resilient supply chain management. In order for manufactures to grow and adapt to the changing economy and cyber-attacks, we must provide training and educational development for Texas's growing workforce.

THE IMPACT

UTSA leverages CyManII and the NSCC to offer small and medium Texas businesses the necessary technological innovations and training to compete and thrive by operating resilient supply chains. This positions Texas manufacturers and businesses to substantially increase their volume and capture emerging national and global markets demanding secure management of complex supply chains. Introducing CyManII as an impartial and expert supplier of new innovations to the Texas business ecosystem is helping Texas companies leapfrog over competitors into new markets. With a focus to establish the first **Texas Manufacturing x Transformation Hub (TxMx)**, CyManII is accelerating training and strategic collaborations that safeguard installations and transportation assets operated by U.S. public- and private-sector partners.



FOR MORE INFORMATION

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CYBERSECURE ADVANCED MANUFACTURING FOR TEXAS



THE OPPORTUNITY

UTSA is developing the unique resources to assist small and medium Texas manufactures. This includes partnering with Port San Antonio to establish a physical space on the port's technology innovation campus to provide novel and necessary cybersecurity education, along with training and certification opportunities. UTSA has also secured resources that can be deployed to Texas manufactures who may not be able to travel to San Antonio, such as online training modules.

UTSA is working to:

- Develop the world's first educational program in resilient supply chain risk management
- Create training modules—to be delivered in-person and online—on configuring and securing cloud services for resilient adaptive supply chain management
- Expand opportunities for small and medium manufacturers within the U.S. Defense Industrial Supply Chain
- Establish the Texas Resilient Supply Chain Task Force
- Support the establishment of the first Manufacturing-ISAC, broad network of existing ISACs for shared, mutual defense of the nation's manufacturing enterprises
- Reinforce a sophisticated R&D enterprise for the delivery of resilient supply chain modernizations for Texas companies, thus increasing their ability to out-innovate their competitors
- Establish **Trustworks**, a premiere workforce development service that combines practical skillset enhancement, in-depth training and hands-on demonstrations

BENEFITS TO SAN ANTONIO AND TEXAS

With an estimated 1.8 million jobs becoming available in cybersecurity and manufacturing in the state of Texas by the end of 2022, UTSA is effectively preparing the next generation of manufactures. This special initiative thrusts Texas companies forward as global innovation leaders maintain and significantly grow their business volume, thus raising the tax base for both San Antonio and Texas. Furthermore, it positions San Antonio as a national hub for resilient supply chains. Ultimately this effort will lead to companies relocating to San Antonio due to the innovations that CyManII has introduced for Texas and the nation.